

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [page 13, lines 1-11] with the following amended paragraph:

Turning now to FIG. 4, a block diagram depicting another organic layer 400 formed from a CVD process in accordance with an aspect of the present invention is illustrated. Once again, the organic polymer layer 402 is formed *via* a gas phase reaction process. The organic polymer layer 402 is formed in contact with a passive layer and an electrode. The organic polymer layer 402 is comprised of polymer polyphenylacetylene (PPA). Referring to FIG. 5, a block diagram of another organic layer 500 formed by spin coating in accordance with an aspect of the present invention is illustrated. The organic layer 500 is formed *via* a spin coating process, instead of a gas phase reaction process. The organic layer 500 is formed in contact with a passive layer and an electrode. The organic layer 500 is comprised substantially of PPA and has a thickness of about 1000 Å.

Please replace paragraph [page 18, lines 20-27] with the following amended paragraph:

FIG. 13 is a block diagram that illustrates an organic memory device ~~1300~~ in various states in accordance with an aspect of the present invention. The organic memory device ~~1300~~ is depicted in a first “off” state 1301, an “on” state 1302, and a second “off” state 1303. It is appreciated that memory devices formed in accordance with the present invention can have other states than those depicted in FIG. 13. At each of the depicted states 1301, 1302, 1303, The the organic memory device ~~1300~~ comprises a top electrode 1304, a bottom electrode 1306 and a selectively conductive layer 1308 comprising an organic layer (*e.g.*, PPA) and at least one passive layer (*e.g.*, CuS).

Please replace paragraph [page 18, lines 28-32] with the following amended paragraph:

In the first off state 1301, ~~[[a]]~~ one or more positive charges 1310 collect~~[[s]]~~ in the selectively conductive layer 1308 near the bottom electrode 1306. In the on state 1302, ~~the~~ one or more positive charges 1310 ~~is~~ are uniformly distributed thereby indicating an on state. In the second off state 1303, the positive charges 1310 collect~~[[s]]~~ in the selectively conductive layer 1308 near the top electrode 1304.